

What is Claimed is:

1. A fusion protein comprising a mammalian interleukin-12 operably linked to a RGD-containing peptide.
2. The fusion protein of claim 1 wherein the RGD-
5 containing peptide comprises SEQ ID NO:2.
3. The fusion protein of claim 1 wherein the RGD-containing peptide consists of RGD.
4. A nucleic acid sequence encoding the fusion protein of claim 1.
- 10 5. A vector comprising the nucleic acid sequence of claim 4.
6. A host cell expressing the vector of claim 5.
7. A method for inhibiting growth of angiogenic endothelial cells and $\alpha v \beta 3$ positive tumor cells comprising
15 targeting the endothelial cells and tumor cells with the fusion protein of claim 1.
8. A method for decreasing toxic side effects associated with interleukin-12 administration in a mammal comprising operatively linking interleukin-12 to a RGD-
20 containing peptide via expression of a fusion protein comprising interleukin-12 and a RGD-containing peptide and administering to the mammal the fusion protein.
9. A method for treating cancer in a mammal comprising administering to the mammal a fusion protein comprising
25 interleukin-12 operably linked to an RGD-containing peptide.

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